

WHAT IS CLAIMED IS:

1. An authentication apparatus for performing a personal authentication process, comprising:

5 an authentication information receiving unit for receiving an authentication information held by each of a plurality of articles for authentication from each of the plurality of articles for authentication carried by a right person, and at the same time communicating with at least one article for authentication by
10 radio; and

a personal authentication unit for performing the personal authentication process using the plurality of authentication information received by said authentication information receiving unit.

15 2. The authentication apparatus as claimed in claim 1, further comprising an authentication information holding unit for previously holding weight coefficients showing weights of the authentication information in response to each of the plurality
20 of authentication information,

said personal authentication unit acquires the weight coefficient corresponding to the received authentication information from said authentication information holding unit, and certifies the right person when a sum of the acquired weight
25 coefficients is greater than a predetermined reference value.

30 3. The authentication apparatus as claimed in claim 2, wherein said personal authentication unit decides differently said reference value according to an object of the personal authentication.

4. The authentication apparatus as claimed in claim 1, wherein said personal authentication unit certifies the right person when the value of the received authentication information is more than the predetermined reference number.

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5. The authentication apparatus as claimed in claim 4, wherein said personal authentication unit decides said reference number according to an object of the personal authentication.

10 6. The authentication apparatus as claimed in claim 1, wherein one of the plurality of articles for authentication holds an identification information identifying the right person as said authentication information.

15 7. The authentication apparatus as claimed in claim 6, wherein the plurality of articles for authentication includes a main article and a plurality of assistant articles,

 said plurality of assistant articles holds the same authentication information,

20 said personal authentication unit certifies the right person when receiving said authentication information from said main article and said authentication information from any one of said assistant articles.

25 8. An authentication system, comprising:

 a plurality of articles for authentication carried by a right person and used to certify the right person; and

 an authentication apparatus for performing a personal authentication process, wherein

30 said each article for authentication holds different authentication information,

5 said authentication apparatus includes a personal authentication unit for receiving the plurality of authentication information held by said plurality of articles for authentication and certifying the personal himself using the received plurality of authentication information.

10 9. The authentication system as claimed in claim 8, wherein at least one of said articles for authentication transmits said authentication information to said authentication apparatus by radio using an energy by an electromagnetic wave acquired from outside.

15 10. The authentication system as claimed in claim 8, wherein one of said articles for authentication includes an authentication key generating unit for receiving said authentication information held by that article for authentication from the other articles for authentication, and generating an authentication key for the personal authentication based upon the received authentication information and the authentication information held by that article 20 for authentication in advance,

25 said personal authentication unit of said authentication apparatus receives said authentication key from said article for authentication that has generated said authentication key, and certifies the right person using said authentication key.

11. The authentication system as claimed in claim 10, wherein said article for authentication generates a decoding key for decoding an encoded information using said authentication key, 30 said personal authentication unit performs a decoding process using said decoding key.